

A NEW SPECIES OF THE GENUS PARARCTOPHILA HERVÉ-BAZIN FROM CHINA (DIPTERA, SYRPHIDAE)

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Abstract *Pararctophila brunneescens* sp. nov. is described from Danba County, Sichuan Province. The type specimen is deposited in the Museum of Animal and Botany, Shaanxi University of Technology.

Key words Diptera, Syrphidae, *Pararctophila*, new species, Sichuan.

Pararctophila includes only one species recorded: *Pararctophila oberthueri* Hervé-Bazin, 1914. The main characteristics of the genus are head broad; eyes of both sexes bare, dichoptic; a broad and shallow transverse sulcus present between frons and vertex; face short with a small facial tubercle, indistinctively concave beneath antennal prominence, produced downwards conically upon lower half; arista plumose, but absent upon underside basally; mesonotum longer than wide, slightly convex dorsally; postpronotal lobe pilose; subscutellar fringe long, dense; upper and lower hairy patches of katepisternum broadly separated; tuft of hairs absent at posteroventral apical corner of hind coxa; metasternum long pilose; legs normal, not thickened, with tibiae slightly curved; wing hyaline, dark spotted medially; vein r_{4+5} deeply looped into cell R_5 ; vein $r-m$ oblique, located at middle of cell M_2 ; upper and lower marginal cross veins parallel with margin of wing, with the former recurrent apically, joined with r_{4+5} at right angle; cell r_1 open; abdomen oval, dull except reddish orange posterior portion of tergite 4 and other tergites behind.

The present paper describes a new species of *Pararctophila* from Sichuan Province, China.

Key to known species

1. Body small, about 12 mm in length. Pile of vertex fawn coloured. Scutellum yellowish brown but black basally. Pleura of thorax dull brown. Legs brown but dull brown on hind leg, with 1-3 tarsomeres of mid leg, basitarsus distally and 2-4 tarsomeres of hind leg yellow brown. Distributions: Sichuan *P. brunneescens* sp. nov.
- Body larger, about 15-17 mm in length. Vertex black pilose. Scutellum and pleura of thorax black. Legs black, with knees, tibiae and tarsi brown to black brown, tibiae and basal 3 tarsomeres of mid leg reddish brown. Distributions: Beijing, Hebei, Jiangsu, Zhejiang, Fujian, Hubei, Sichuan, Yunnan, Tibet, Gansu, Ningxia; Russia, Mongolia, India *P. oberthueri*

Pararctophila brunneescens sp. nov. (Figs. 1-3)

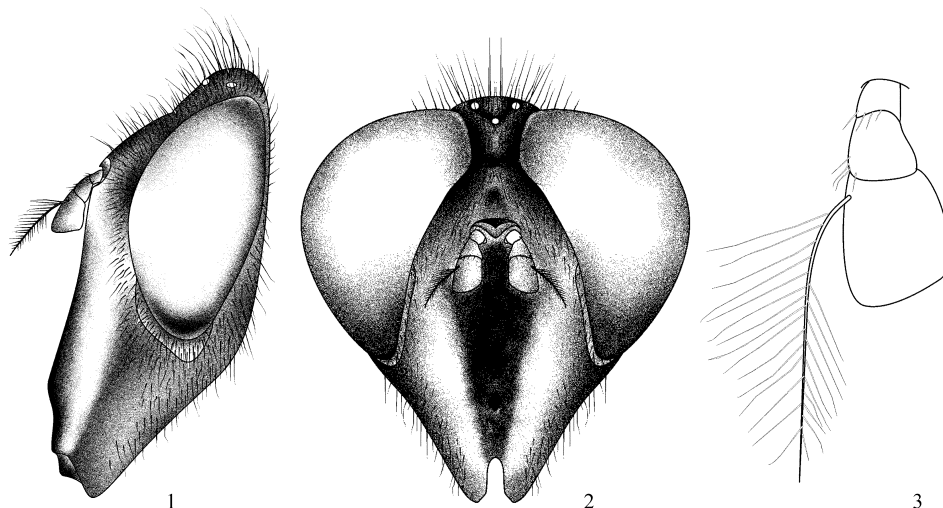
Male. Head broader than thorax. Eyes bare, broadly dichoptic. Vertex and frons black, brown pollinose, long fawn coloured pilose. Vertex constricted forwards, and then expanded, the narrowest part nearly

at the middle of frons, where a broad and shallow transverse sulcus formed. Ocellar triangle convex, with ocelli arranged in isosceles triangle, distance from anterior ocellus to posterior ocellus about half between posterior ocelli. Frons with longitudinal sulcus medially which extended from transverse sulcus to lunule. Lunule bare, shiny dull brown. Face dull brown, shiny laterally, covered with pollen of dull brown and long fawn pile laterally. Median stripe approximately black brown, tapered from beneath antennal prominence onto oral margin, on each side of which present a longitudinal stripe of grey pollen constricted downwards. Face broad, indistinctively concave beneath antennal prominence, inclined and produced downwards conically upon lower half. Facial tubercle small, located at below lower margin of eyes. Paraface broad, the broadest approximately equal to width of first flagellomere, clothed with long fawn pile. Gena shiny brown, clothed with long fawn hairs. Antennae dull brown, basal two segments fawn pilose dorsally, first flagellomere subquadrate. Arista yellowish brown, long plumose, but absent upon basal 1/3 at underside.

Mesonotum black, with postpronotal lobe and postalar callus tinged with brown, pile long, fawn, a band of dull brown hairs present between postalar callus. Scutellum yellowish brown, but black to black brown basally, with long, erect, fawn hairs, subscutellar fringe long and dense. Pleura dull brown, long, fawn pilose. Metasternum black brown pilose. Legs brown but dull brown upon hind leg, with 1-3 tarsomeres of mid leg, basitarsus distally and 2-4 tarsomeres of hind leg yellowish brown. Coxae, trochanters and femora black brown pilose, but tibiae light pilose. Wing hyaline, brown clouded medially from pterostigma to basal margin of cell R_5 . Veins of wing black brown basally, brown medially and dull brown apically. Vein r_{4+5} deeply looped into cell R_5 . Upper and lower marginal cross veins parallel with margin of wing, with the former

recurrent apically, joined vein r_{4+5} at right angle. Vein r_m oblique, located at middle of cell M_2 . Cell R_1 open.

Calypters yellow brown to dull brown. Halteres yellow brown.



Figs 1-3. *Parardophila brunneusens* sp. nov., male. 1. Head, lateral view. 2. Head, in frontal view. 3. Antenna.

Abdomen convex dorsally, slightly shiny, black but reddish orange on posterior portion of tergite 4 and other tergites behind. Abdominal tergite 1 and lateral anterior corners of tergite 2 covered with long, dense fawny hairs; posterior half part of tergite 2, anterior portion of tergite 3 and anterior margin of tergite 4 with appressed, short black hairs; posterior portion of tergite 4 and other tergites behind with yellowish hairs. Venter dull brown but brown apically, clothed with sparse long fawny hairs except short black hairs on sternite 4 posteriorly.

Female: unknown.

♂Body length 12 mm; wing length 8 mm.

Holotype ♂, 24 Aug. 2005, Kueiyungou (30°31' N, 101°47' E, 3 285 m), Danba, Sichuan.

The new species is similar to *Parardophila oberthueri* Hervé-Bazin, 1914, but differs from the latter in following: body mostly fawny pilose; vertex without black hairs; scutellum yellow brown but black basally; pleura dull brown; legs brown but hind leg dull brown, with 1-3 tarsomeres of mid leg, basitarsi distally and 2-4 tarsomeres of hind leg yellow brown.

Etymology. The specific epithet is derived from the Latin '*brunneusens*', meaning '*browning*'.

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羽毛蚜蝇属一新种记述 (双翅目, 食蚜蝇科)*

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摘 要 记述采自四川丹巴地区羽毛蚜蝇属 1 新种: 褐色羽毛蚜蝇 *Paractophila brunescens* sp. nov.。模式标本保存于陕西理工学院动植物标本馆。

褐色羽毛蚜蝇, 新种 *Paractophila brunescens* **sp. nov.** (图 1 ~ 3)

雌性: 未知。

♂体长 12 mm; 翅长 8 mm。

正模 ♂, 2005 08 24, 四川巴东奎拥沟, 海拔 3 285 m, 石

关键词 双翅目, 食蚜蝇科, 羽毛蚜蝇属, 四川, 新种.

中图分类号 Q969. 44

福明采。

新种近似红毛羽毛蚜蝇 *Paractophila oberthueri* Hervé Bazin, 1914, 但新种体较小, 主要被毛浅黄褐色, 头顶三角无黑毛, 小盾片仅基部黑色; 中胸侧板褐色, 足褐色至暗褐色, 后足暗褐色, 中足跗节 1~ 3 节、后足第 1 跗节端部及 2~ 4 跗节黄褐色。

词源: 新种名用拉丁字 “*brunescens*”, 意为“变为褐色的”。

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